

CLAIMS

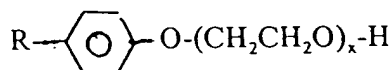
What is claimed is:

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1. A composition for bituminous substance removal comprising a mixture of one or more monocyclic monoterpenes, and at least 2% w/w of a surfactant selected from the group consisting of an alkylphenol ethoxylate and an alkyl alcohol ethoxylate or combinations thereof.

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2. A composition comprising a carrier para-menthane diene; and at least 2% w/w of an alkylphenol ethoxylate having the structure

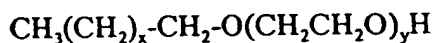


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wherein R is a linear alkyl radical $\text{CH}_3-(\text{CH}_2)_n-$, n is an integer 1-12, and x is an integer 2-23.

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3. A composition comprising a carrier para-menthane diene; and at least 2% w/w of an alkyl alcohol ethoxylate having the structure



wherein x is an integer 2-16 and y is an integer 2-14.

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4. A method of removing asphalt or tar from a solid surface comprising
- a) providing
 - i) a solid surface having tar or asphalt thereon; and
 - ii) an undiluted mixture of a para-menthane diene and at least 2%

w/w of a surfactant selected from the group consisting of an alkylphenol ethoxylate and an alkyl alcohol ethoxylate and combinations thereof; and

- b) applying said undiluted mixture of a para-menthane diene and at least 2% w/w of a surfactant selected from the group consisting of an alkylphenol ethoxylate and an alkyl alcohol ethoxylate and combinations thereof to said surface under conditions such that said tar or asphalt is removed.

5. The method of claim 4, wherein said conditions comprise incubation at a temperature of about 1-150 degrees Fahrenheit for a time greater than about 2 minutes.

6. The method of claim 4, further comprising step c) rinsing said surface with an aqueous solution.

7. The method of claim 6 together with the additional steps of reapplying said mixture one or more times and incubating after each application before rinsing after the last application.

8. The composition of claim 1 wherein said monocyclic monoterpenes is a para-menthane diene selected from the group consisting of limonene, terpinolene and gamma-terpinene.

9. The composition of claim 1 wherein said alkylphenol ethoxylate is a nonylphenol ethoxylate having an average of 9.5 ethoxylate linearly repeating residues.

10. The composition of claims 2 wherein said alkylphenol ethoxylate is a

nonylphenol ethoxylate having a an average of 9.5 ethoxylate linearly repeating residues.

5 11. The method of claim 4 wherein said solid surface is selected from the group consisting of metal, plastic, painted plastic, painted metal, a ceramic, wood, natural fabric, synthetic fabric, and skin.

10 12. The method of claim 5 wherein said solid surface is selected from the group consisting of metal, plastic, painted plastic, painted metal, a ceramic, wood, natural fabric, synthetic fabric, and skin.